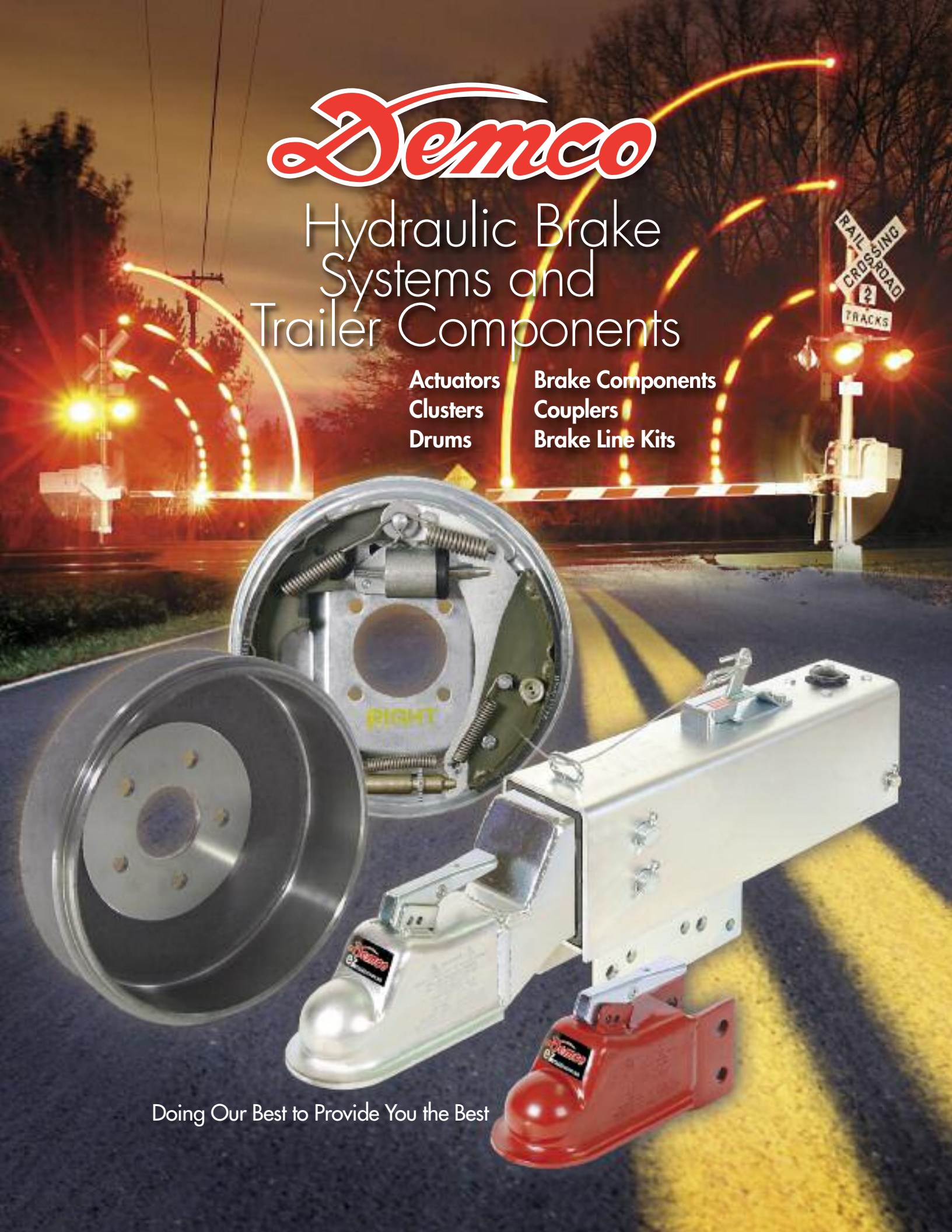
Demco

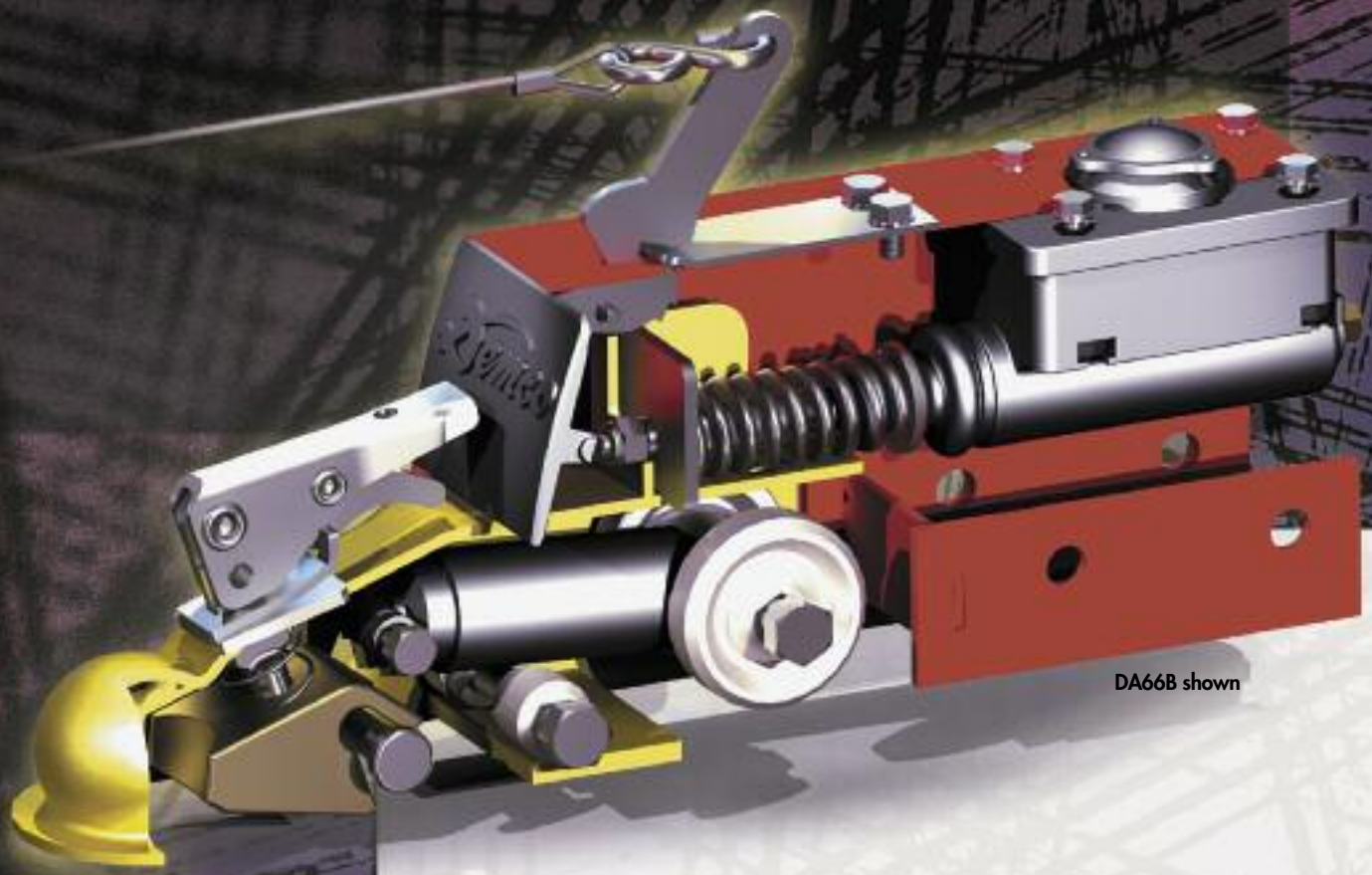
Hydraulic Brake Systems and Trailer Components

Actuators
Clusters
Drums
Brake Components
Couplers
Brake Line Kits



Doing Our Best to Provide You the Best

The merits of an impressive brake system

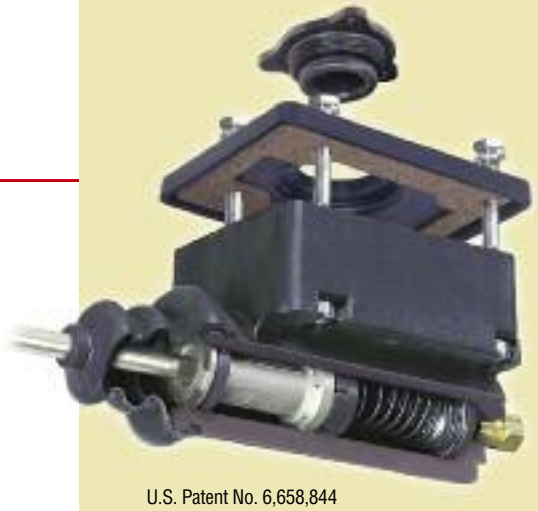


DA66B shown

DA91 shown

DA10 shown

call for a close look inside



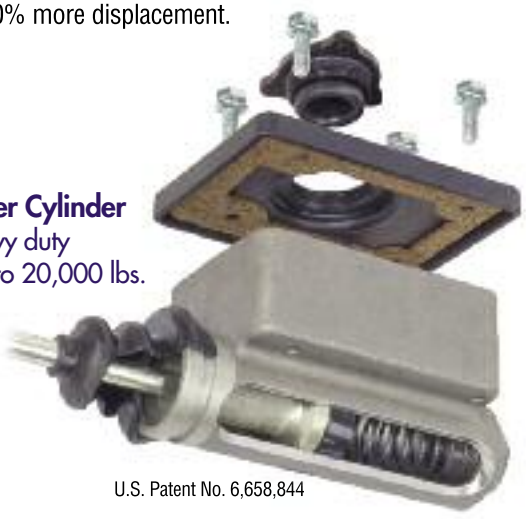
U.S. Patent No. 6,658,844

Demco Hydraulic Brake Actuators Feature

- Master cylinder cap has a diaphragm providing a completely enclosed hydraulic brake system on all models.
- Raised fill plate prevents contaminants from entering master cylinder when removing cap (all models).
- Tie loops on cap can be used for a tamper resistant seal.
- Bellow boot on push rod for moisture and dirt prevention (all models).
- Emergency lever guide with color coded decal indicates if brakes are on or off (all actuators except DA66B).
- Actuators ranging from 6,000 lb. to 20,000 lb. G.V.W.R.
- Wide range of coupler choices & hitch configurations
- Actuators fit standard 3" tubing.
- 50˚ A-frame mounting is available.
- 6,000 to 20,000 lb. actuators utilize acetal copolymer linings. Rollers are eliminated on DA91, DA10 and DA20 models.
- Brake line pressure controlled by spring loaded push rod assembly.
- Integrated shock dampening design.
- Emergency break-away lever with cable hook-up and easy reset.
- Heavy duty construction for rental, industrial and other high usage and extreme stress applications.
- Corrosion resistant finish provides long-lasting, attractive appearance. Plated finish is 500 hour salt spray tested.
- Quality Control checks through production & assembly lines.
- DA20 disc brake actuators feature a 1 ¼" aluminum master cylinder and a heavy duty push rod assembly for higher pressures. This master cylinder has 50% more displacement.

NEW!

Demco's Aluminum Master Cylinder provides corrosion free, heavy duty braking power for loads up to 20,000 lbs. All Demco DA20 disc brake actuators include this aluminum master cylinder.



U.S. Patent No. 6,658,844

Demco's Master Cylinder composite construction provides benefits and features not available with other materials.

Features:

- **Composite Material** – Long glass reinforced nylon master cylinder is used on all Demco actuators except DA20 models for disc brakes. Rust and corrosion of the master cylinder are eliminated.
- **Durability** – Extensive stroke testing to over 1 million cycles at 75 - 100% of maximum pressure generated no failure or significant wear.
- **Larger reservoir** – 20% more capacity insures adequate brake fluid supply.
- **Retrofits** – The new composite master cylinder replaces existing Demco master cylinders without modifications. Replacement kits are available for disc and drum brake applications.
- **Splash Baffle** – Brake fluid "geyser" is deflected when bleeding brake system.

DA86

EZ-Latch - 8600 lbs.

*The **DA86** new design incorporates new benefits and features.*

Larger rear rollers – *Larger rollers provide easier movement of coupler and smoother operation of actuator.*

Lower coupler height – *Coupler height is the same as the previous DA66 - 4" to 4½" lower than the DA603 top mount.*

Cross brace – *Reinforced outer case. This brace will help prevent over-tightening of the mounting bolts, (an unfavorable practice that could restrict sliding of the coupler and not allow the actuator to function properly).*

Safety cable w/ snap hook – *Replacing "S" hook with snap hook prevents safety cable from accidentally unhooking.*

Common master cylinder – *Same composite master cylinder as other Demco actuators.*

PATENT PENDING

Demco ez-LATCH Coupler

See page 11 for EZ-Latch Coupler details.

The DA86 is a 8,600 lb. rated actuator.
It mounts easily on a 3" tube tongue and is an excellent choice for heavier utility trailers and larger boat trailers.
Disc brake version includes free backing solenoid kit.

8605101

8758811

8758911

8750311

8608611

6,000 lb. G.V.W.R.

2 - ½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 600 lb. maximum tongue load on 6,000 lb. G.V.W.R actuators. G.V.W.R. – Limited to coupler rating. Plated actuator may be used in a marine application.

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8605101	DA66B	Plated, lever lock coupler Includes factory installed blocking solenoid kit	22

8,000 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are used in mounting of straight actuators. 800 lb. maximum tongue load or10% of G.V.W.R of coupler, vehicle, ball or trailer. Plated actuator may be used in a marine application. DA91 actuator utilizes Acetal Copolymer linings. Rollers are eliminated. G.V.W.R. – Limited to coupler rating. Emergency lever support and guide ring (on DA91 series).

Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8758811	DA91	Plated, 2 5/16" EZ-Latch, drop tube, standard outer case	52
8758721	DA91	Plated, channel center, standard outer case	48
8758911	DA91	Plated, 2 5/16" EZ-Latch, drop tube, 5-hole mount	52
With bypass solenoid kits installed			
8758411	DA91	Plated, 2 5/16" EZ-Latch, drop tube, standard outer case	54
8750311	DA91	Plated, 2 5/16" EZ-Latch, drop tube, 5-hole mount	54
With blocking solenoid kits installed			
8750411	DA91	Plated, 2 5/16" EZ-Latch, drop tube, standard outer case	39
8759422	DA91	Primed, channel center, standard outer case	54
Bypass solenoid kits for disc brakes (fit both DA91 and DA10 actuators).			
5752	DA91	Solenoid kit (factory installed)	2
5750	DA91	Solenoid kit (field installed)	2
Blocking solenoid kit for disc brakes (fit both DA91 and DA10 actuators).			
5837	DA91	Solenoid kit (field installed)	2

Note: Solenoid kit design is subject to change at Demco's discretion.

8,600 lb. G.V.W.R.

3 - ½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 860 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. Plated actuator may be used in a marine application.

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8608611	DA86	Plated, 2" EZ-Latch, bolt on case, includes blocking solenoid	22
8608711	DA86	Painted black, EZ-Latch bolt on case, includes blocking solenoid	22

NOTE: Demco 2" EZ-Latch Couplers are Patent Pending.

Phone: **1-800-543-3626** *Fax:* **1-800-845-6420** *Website:* **www.demco-products.com**

12,500 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required to mount actuators. 1,250 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. DA10 actuators utilize Acetal Copolymer linings. Rollers are eliminated. DA10 actuators may be ordered with or without various couplers. All DA10 models with coupler adjusting channels have 3" inside dimensions. Emergency lever support and guide ring standard on DA10 series.

Note: All DA10 disc brake actuators feature a 1 ¼" aluminum master cylinder. (50% more displacement and higher pressure)

Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8104411	DA10	Plated, 2 5/16" EZ-Latch, drop tube, *universal outer case fluid return hole only, less solenoid	52
8103511	DA10	Plated, 2 5/16" EZ-Latch, drop tube, standard outer case	54
8103802	DA10	Primed, straight tube, 2 5/16" EZ-Latch, no mount outer case	50
With bypass solenoid kits installed			
8104002	DA10	Primed, straight tube, 2 5/16" EZ-Latch, no mount outer case	54
8104111	DA10	Plated, 2 5/16" EZ-Latch, drop tube, standard outer case	56
8104311	DA10	Plated, 2 5/16" EZ-Latch, drop tube, *universal outer case	56

** Universal - 5 hole mount consists of 3 ½" holes and 2 ⅝" holes.*
Standard - 5 hole mount consists of 5 ½" holes.

Bypass solenoid kits for disc brakes (fit both 8,000 and 12,000 lb. G.V.W.R. actuators).

5752	DA10	Solenoid kit (factory installed)	2
5750	DA10	Solenoid kit (field installed)	2

Note: Solenoid kit design is subject to change at Demco's discretion.

20,000 lb. G.V.W.R.

DA20 available in either weld-on or bolt-on mounts. 2000 lb. maximum tongue load on 20,000 lb. G.V.W.R. actuators. DA20 actuators utilize Acetal Copolymer linings. Rollers are eliminated. DA20 actuators may be ordered with or without various couplers. All DA20 models with coupler adjusting channels have 3" inside dimensions. Emergency lever guide and guide ring on DA20.

Note: All DA20 disc brake actuators feature a 1 ¼" aluminum master cylinder. (50% more displacement and higher pressure)

Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8203102	DA20	Primed, 2 5/16" EZ-Latch, straight tube, no mount outer case	69
8203201	DA20	Plated, 2 5/16" EZ-Latch, straight tube, 3 hole outer case	70
8204111	DA20	Plated, 2 5/16" EZ-Latch, drop tube, 5 hole mount outer case	70
8204701	DA20	Plated, 2 5/16" EZ-Latch, straight tube, primed, no mount outer case	70
8204211	DA20	Plated, 2 5/16" EZ-Latch, drop tube, 5 hole mount outer case (With return hole, less solenoid)	70

** Universal - 5 hole mount consists of 3 ½" holes and 2 ⅝" holes.*
Standard - 5 hole mount consists of 5 ½" holes.

Note: Bypass solenoids must be installed on DA20 disc brake actuators.

With bypass solenoid kits installed

8204311	DA20	Plated, 2 5/16" EZ-Latch, drop tube, 5 hole mount outer case	72
8203711	DA20	Plated, 2 5/16" EZ-Latch, drop tube, 3 hole mount outer case	72

Bypass solenoid kits for disc brakes (fit 20,000 lb. G.V.W.R. actuators).

5755	DA20	Solenoid kit (factory installed)	2
5753	DA20	Solenoid kit (field installed)	2

NOTE: Demco 2 5/16" EZ-Latch Couplers are Patent Pending.

8104411

8103802

8104002

8203102

8204111

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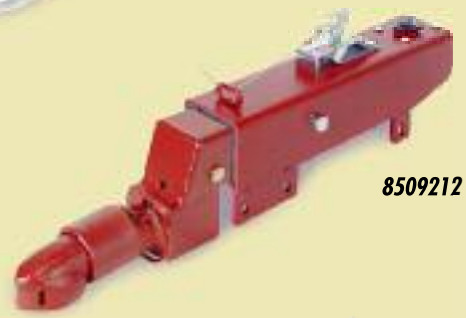
8609512



8509212

8509612

6,000 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 600 lb. maximum tongue load on 6,000 lb. G.V.W.R actuators. G.V.W.R. – Limited to coupler rating. Plated actuator may be used in a marine application.

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8605001	DA66B	Plated, top mount, lever lock coupler	21

6,000 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 600 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. 50˚ A-frame mounted actuator may be welded on. Plated actuator may be used in a marine application. DA91 actuators utilize Acetal Copolymer linings. Rollers are eliminated. G.V.W.R. – Limited to coupler rating. Emergency lever support and guide ring standard on DA91 and DA95 series.
Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8609101	DA91	Plated, straight tube, 2" bolt-on, coupler	41
8669111	DA91	Plated, drop tube, 2" bolt-on coupler	47
8609512	DA9150	Primed, drop tube, 2" bolt-on coupler, 50° mount	59

7,000 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 700 lb. maximum tongue load or10% of G.V.W.R of coupler, vehicle, ball or trailer. 50˚ A-frame mounted actuator may be welded on. Plated actuator may be used in a marine application. DA91 and DA9150 actuators utilize Acetal Copolymer linings. Rollers are eliminated. G.V.W.R. – Limited to coupler rating. Emergency lever support and guide ring (on DA91 and DA95 series).
Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8509202	DA91	Primed, 2" bulldog coupler welded to straight tube	43
8509212	DA91	Primed, 2" bulldog coupler welded to drop tube	46
8509602	DA9150	Primed, 2" bulldog coupler welded to straight tube, 50° mount	62
8509612	DA9150	Primed, 2" bulldog coupler welded to drop tube, 50° mount	64
5751	DA10	Solenoid kit (factory installed)	2
5750	DA10	Solenoid kit (field installed)	2

8,000 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required in mounting of straight actuators. 800 lb. maximum tongue load or10% of G.V.W.R of coupler, vehicle, ball or trailer. 50˚ A-frame mounted actuator may be welded on. Plated actuator may be used in a marine application. DA91 and DA9150 actuators utilize Acetal Copolymer linings. Rollers are eliminated. G.V.W.R. – Limited to coupler rating. Emergency lever support and guide ring (on DA91 and DA95 series).

Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8759121	DA91	Plated, channel center	40
8759122	DA91	Primed, channel center	40
8759131	DA91	Plated, channel down	40
8759132	DA91	Primed, channel down	40
8759142	DA91	Primed, channel up	40
8759152	DA91	Primed, flat mount	46
8758521	DA91	Plated, 12" channel center	44
8759411	DA91	Plated, 2 5⁄16" EZ-Latch, drop tube, standard outer case	58
8759522	DA91	Primed, channel center, 50° mount	53
8759532	DA91	Primed, channel down, 50° mount	53
8759802	DA9550	Primed, 2 5⁄16" bulldog coupler, straight tube, 50° mount	60
8759812	DA9550	Primed, 2 5⁄16" bulldog coupler, drop tube, 50° mount	62
8759922	DA91	Primed, channel center, weld-on case	39
8759942	DA91	Primed, channel up, weld-on case	39
Bypass solenoid kits for drum brakes (fit both DA91 and DA10 actuators).			
5751	DA10	Solenoid kit (factory installed)	2
5750	DA10	Solenoid kit (field installed)	2
Blocking solenoid kit for disc brakes (fit both DA91 and DA10 actuators).			
5837	DA91	Solenoid kit (field installed)	2

Note: Solenoid kit design is subject to change at Demco's discretion.

8,600 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required to mount actuators. 860 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. Plated actuator may be used in marine application.

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8608601	DA86	Plated, 2" EZ-Latch, bolt on case	25
8608701	DA86	Painted black, 2" EZ-Latch, bolt on case	25

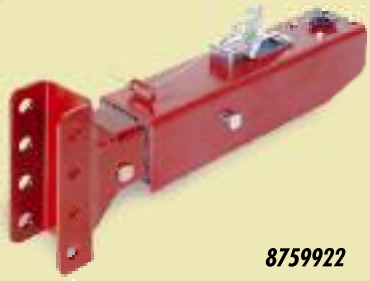
NOTE: Demco 2" EZ-Latch Coupler is Patent Pending.

8759121

8759152

8759411

8759812


8759922

8608601

07686

8101022

8101232

8101801

8102511

8102222

12,000 lb. G.V.W.R.

Used for agricultural running gears or drop tongue trailers. Bolt-on model.

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
07686	DA12	Painted black, agricultural gear actuator	23

12,500 lb. G.V.W.R.

½" x 4 ½" grade 5 bolts are required to mount actuators. 1,250 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. 50˚ A-frame mounted actuator may be welded on. DA10 actuators utilize Acetal Copolymer linings. Rollers are eliminated. DA10 actuators may be ordered with or without various couplers. All DA10 models with coupler adjusting channels have 3" inside dimensions. Emergency lever guide and ring on DA10.
Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8101021	DA10	Plated, channel center, standard outer case	51
8101022	DA10	Primed, channel center, standard outer case	51
8101031	DA10	Plated, channel down, standard outer case	51
8101032	DA10	Primed, channel down, standard outer case	51
8101042	DA10	Primed, channel up, standard outer case	51
8101222	DA10	Primed, channel center, no mount outer case	48
8101232	DA10	Primed, channel down, no mount outer case	48
8101242	DA10	Primed, channel up, no mount outer case	48
8102131	DA10	Plated, 12" channel down, standard outer case	55
8101522	DA10	Primed, 12" channel center, no mount outer case	53
8103432	DA10	Primed, 12" channel down, no mount outer case	53
8101532	DA10	Primed, 12" channel down, 6 hole outer mount case	54
8104821	DA10	Plated, channel center, 6 hole outer mount case	51
8104831	DA10	Plated, channel down, 6 hole outer case	51
8101801	DA10	Plated, straight tube, 2 5/16" EZ-Latch, standard outer case	55
8101802	DA10	Primed, straight tube, 2 5/16" EZ-Latch, standard outer case	55
8102511	DA10	Plated, 2 5/16" EZ-Latch, drop tube standard outer case	57
8103102	DA10	Primed, straight tube, 2 5/16" EZ-Latch, no mount outer case	52
8102222	DA10	Primed, channel center, 50° mount	64
8102232	DA10	Primed, channel down, 50° mount	64

Bypass solenoid kits for drum brakes (fit both DA91 and DA10 actuators).

5751	DA10	Solenoid kit (factory installed)	2
5750	DA10	Solenoid kit (field installed)	2

Blocking solenoid kit for disc brakes (fit both DA91 and DA10 actuators).

5837	DA10	Solenoid kit (field installed)	2

Note: Solenoid kit design is subject to change at Demco's discretion.

NOTE: Demco 2 5/16" EZ-Latch Couplers are Patent Pending.

20,000 lb. G.V.W.R.

DA20 available in either weld-on or bolt-on mounts. 2,000 lb. maximum tongue load or 10% of G.V.W.R of coupler, vehicle, ball or trailer. 50˚ A-frame mounted actuator may be welded on. DA20 actuators may be ordered with or without various couplers. All DA20 models with coupler adjusting channels have 3" inside dimensions. Emergency lever guide and guide ring on DA20.

Custom mounting available upon request (50 quantity minimum).

ITEM #	TYPE	DESCRIPTION	WT (LBS.)
8202022	DA20	Primed, channel center, no mount outer case	62
8202032	DA20	Primed, channel down, no mount outer case	62
8202122	DA20	Primed, channel center, 15" mount	70
8202052	DA20	Primed, flat mount, no mount outer case	70
8203322	DA20	Primed, 12" channel centered, no mount outer case	64
8203332	DA20	Primed, 12" channel down, no mount outer case	64
8202521	DA20	Plated, 12" channel center, 6 hole outer case	72
8202522	DA20	Primed, 12" channel center, 6 hole outer case	72
8202531	DA20	Plated, 12" channel down, 6 hole outer case	72
8202532	DA20	Primed, 12" channel down, 6 hole outer case	72
8202802	DA20	Primed, straight tube, 2 5/16" EZ-Latch, no mount outer case	65
8202222	DA20	Primed, channel center, 50° mount	80
8202232	DA20	Primed, channel down, 50° mount	80
8204011	DA20	Plated, 2 5/16" EZ-Latch, drop tube, *universal outer case	69

** Universal - 5 hole mount consists of 3 ½" holes and 2 ⅝" holes.*
Standard - 5 hole mount consists of 5 ½" holes.

Bypass solenoid kits for drum/disc brakes (fit 20,000 lb. G.V.W.R. actuators).

5754	DA20	Solenoid kit (factory installed)	2
5753	DA20	Solenoid kit (field installed)	2

Note: Solenoid kit design is subject to change at Demco's discretion.

NOTE: Demco 2 5/16" EZ-Latch Couplers are Patent Pending.

8202032

8202122

8202522

8202802

8202222

8204011

Demco EZ-LATCH Coupler

EXCLUSIVE

It's the most important task to perform when preparing to tow a trailer, but it's the easiest to forget.

Normally, the EZ-latch coupler is in its locked position. There's no need to lift the lever to hook up.

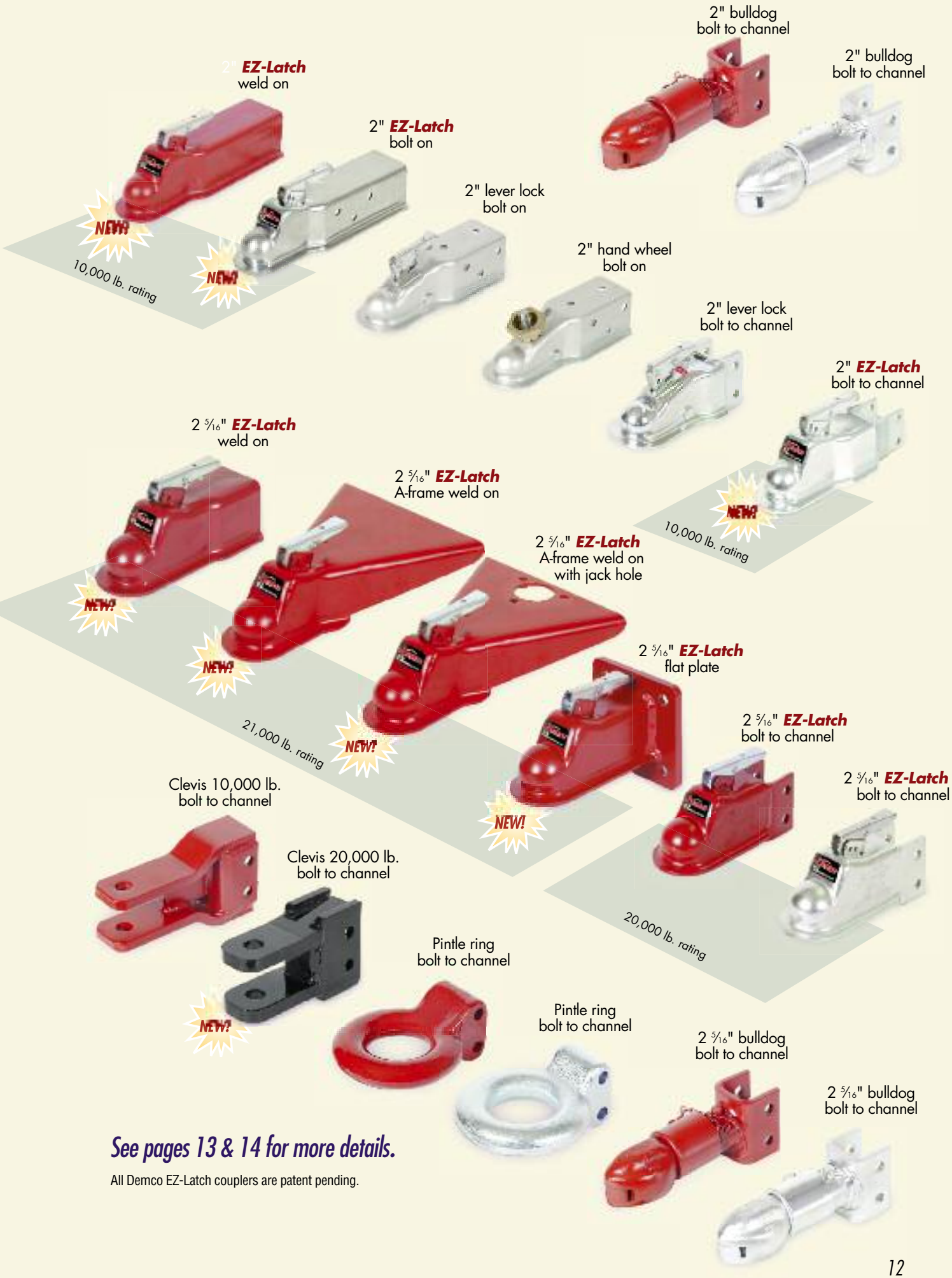
When the coupler is being lowered over the hitch ball, the lever lifts to allow the coupler socket to receive the hitch ball.

Once the hitch ball is seated in the coupler, the latch snaps to its locked position.

Demco has an exclusive coupler design that locks when dropped over its appropriate sized standard hitch ball. The EZ-Latch coupler is offered in an array of different hitch mounts in both 2" and 2 5/16" ball coupler sizes. Mounting configurations include: weld-on and bolt-on for 3" tongue tube, A-frame weld-on, and bolt-on adjustable height channel mounts.

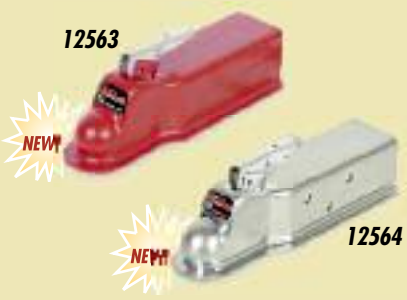
In addition to this new EZ-Latch feature, these new couplers have an enhanced weight rating. The Demco 2" EZ-Latch ball coupler is SAE J684 certified at 10,000 lbs. The Demco 2 5/16" EZ-latch ball coupler adjustable height channel mount style is SAE J684 certified at 20,000 lbs. The Demco 2 5/16" EZ-Latch ball coupler weld-on and flat mount style is SAE J684 certified at 21,000 lbs.

The EZ-Latch feature and the enhanced certified weight rating, make these couplers an excellent choice when designing to build or when replacing an existing ball coupler. Demco has tested and certified these products to give you peace of mind and confidence in your efforts to provide safe and responsible trailer products.



See pages 13 & 14 for more details.

All Demco EZ-Latch couplers are patent pending.



2" ball couplers

ITEM #	DESCRIPTION	WT (LBS.)
12563	Primed, 2" EZ-Latch, G.V.W.R. 10,000 lb. capacity, weld on	8
12564	Plated, 2" EZ-Latch, *G.V.W.R. 10,000 lb. capacity, bolt on	8

11962-95	Plated, 2" lever lock, G.V.W.R. 6,000 lb. capacity, bolt on	5.5
11963-95	Plated, 2" hand wheel, G.V.W.R. 6,000 lb. capacity, bolt on	5.4
12113-95	Plated, 2" lever lock, G.V.W.R. 6,000 lb. capacity, bolt on channel	10
12688-95	Plated, 2" EZ-Latch, G.V.W.R. 10,000 lb. capacity, bolt on channel	12

05823-97	Primed, 2" bulldog, G.V.W.R. 7,000 lb. capacity, bolt on channel	12
05823-95	Plated, 2" bulldog, G.V.W.R. 7,000 lb. capacity, bolt on channel	12

NOTE: All Demco 2" EZ-Latch Couplers are Patent Pending.

2 5/16" ball couplers

ITEM #	DESCRIPTION	WT (LBS.)
12662-97	Primed, 2 5/16" EZ-Latch, G.V.W.R. 21,000 lb. capacity, weld on	8.5
12141-97	Primed, 2 5/16" EZ-Latch, G.V.W.R. 21,000 lb. capacity, flat mount	13.5
12141-95	Plated, 2 5/16" EZ-Latch, G.V.W.R. 21,000 lb. capacity, flat mount (not shown)	13.5

ez-LATCH Coupler

12661-97	Primed, 2 5/16" EZ-Latch, G.V.W.R. 21,000 lb. capacity, A-frame weld on, without jack hole	12
12660-97	Primed, 2 5/16" EZ-Latch, G.V.W.R. 21,000 lb. capacity, A-frame weld on, with jack hole	12

ez-LATCH Coupler

07678-97	Primed, 2 5/16" EZ-Latch, G.V.W.R. 20,000 lb. capacity, bolt on channel	10
07678-95	Plated, 2 5/16" EZ-Latch, G.V.W.R. 20,000 lb. capacity, bolt on channel	10

05557-97	Primed, 2 5/16" bulldog, G.V.W.R. 12,500 lb. capacity, bolt on channel	12
05557-95	Plated, 2 5/16" bulldog, G.V.W.R. 12,500 lb. capacity, bolt on channel	12

Clevis & pintle ring couplers

ITEM #	DESCRIPTION	WT (LBS.)
05593-97	Primed, clevis, G.V.W.R. 10,000 lb. capacity, bolt on channel	11
12676-30	Painted black, G.V.W.R. 20,000 lb. capacity, bolt on channel	12
09557-97	Primed, pintle ring, 3" ID, 6" OD, G.V.W.R. 20,000 lb. capacity, bolt on channel	11
09557-95	Plated, pintle ring, 3" ID, 6" OD, G.V.W.R. 20,000 lb. capacity, bolt on channel	11

NOTE: Demco 2 5/16" EZ-Latch Couplers are Patent Pending.

10" Free Backing Brakes

Reverse Braking – Minimal
Axle Rating – 3500 lbs.
Wheel Size – 13 - 15"

10" Self Adjusting Brakes

Reverse Braking – 15 - 20%
Axle Rating – 3500 lbs.
Wheel Size – 13 - 15"

10" Uni-Servo Brakes

Reverse Braking – 15 - 20%
Axle Rating – 3500 lbs.
Wheel Size – 13 - 15"

10" Duo-Servo Brakes

Reverse Braking – 100%
Axle Rating – 3500 lbs.
Wheel Size – 13 - 15"

10" brake clusters

Free Backing Brakes

Incorporates a "fall-away" shoe which diminishes shoe drag when backing up. Requires periodic manual adjustment. Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Standard (WHILE SUPPLY LASTS)			
SB40715	SB40716	4" on 4"	10
Marine			
SB40715M	SB40716M	4" on 4"	10

Self Adjusting Uni-Servo Brakes

20% braking in reverse. Self-adjusting brakes eliminate the need for periodic adjustment. Will not "over-adjust"– an exclusive feature from Demco. Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Standard (WHILE SUPPLY LASTS)			
SB23714	SB23715	4" on 4"	9.2
Marine			
SB23714M	SB23715M	4" on 4"	9.2
SB24428M	SB24429M	4" on 3.96"	9.2

Uni-Servo Brakes

20% braking in reverse. Requires periodic manual adjusting. Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Marine			
SB18787M	SB18788M	4" on 4"	10

Duo-Servo Brakes

Applies braking pressure equally in forward or reverse travel. Primarily for industrial applications. Requires periodic manual adjustment. Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Standard (WHILE SUPPLY LASTS)			
SB18793	SB18794	4" on 4"	9.2
Marine			
SB18793M	SB18794M	4" on 4"	9.2

12" brake clusters

Free Backing Brakes

Reverse braking - minimal. **Axle rating** - 5,200 lb. **Wheel size** - 14.5" - 16"
Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Marine			
SB42028M	SB42029M	5 on 3.875"	19

Uni-Servo Brakes

Reverse braking - 15 - 20%. **Axle rating** - 5,200 lb. **Wheel size** - 14.5" - 16"
Marine cluster has galvanized back plate, stainless steel spring hardware, plated wheel cylinder and riveted marine brake shoe.

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Marine			
SB23510M	SB23511M	5 on 3.875"	19

13" brake clusters

Free Backing Brakes (shown)

Reverse braking - minimal. **Wheel size** - 16" - 20"

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Standard			
01971	01970	4 on 4.813"	21

Uni-Servo Brakes (not shown)

Reverse braking - 15 - 20%. **Wheel size** - 16" - 20"

RIGHT#	LEFT #	BOLT HOLE PATTERN	WT (LBS.)
Standard			
07911	07910	4 on 4.813"	21

10" brake drums

ITEM #	# OF BOLTS	BOLT HOLE DIA.	BOLT CIRCLE DIA.	PILOT HOLE DIA.	HYATT HUB #	WT. (LBS.)
SB40929	5	17/32"	115MM	2 1/4"	926	14

13" brake drums

ITEM #	DICO ITEM #	# OF BOLTS	BOLT HOLE DIA.	BOLT CIRCLE DIA.	PILOT HOLE DIA.	STYLE	WT. (LBS.)
05353	9894	8	5/8"	8"	5 3/4"	A	20.6
07324	16964	6	17/32"	8 1/4"	6"	A	20.3

ITEM #	DICO ITEM #	# OF BOLTS	BOLT HOLE DIA.	BOLT CIRCLE DIA.	PILOT HOLE DIA.	STYLE	WT. (LBS.)
03532	18859	8	17/32"	5 1/2"	4 3/8"	B	22.5
03940	10111	6	17/32"	5 1/2"	4 3/8"	B	22.6
03941	43268	8	17/32"	5 1/2"	4 1/2"	B	21.9

12" Free Backing

12" Uni-Servo

13" Free Backing

SB40929

Style A – Flat Brake Flange Setback 2.875"

Style B – Offset Brake Flange Setback 3.441"

Brake line kits

ITEM #	DESCRIPTION	WT (LBS.)
Single Solid Axle Kit		
5402	With 66" and 17" lines	2
5426	With 80" and 17" lines	2
5427	With 72" line	2.5
Single Torsion Axle Kit		
5424	With 66" and 17" lines	3
Tandem Solid Axle Kit		
5403	With 66" and 17" lines	4
5428	With 72" line in lieu of 66"	4
5429	With 80" and 17" lines	4
Tandem Torsion Axle Kit		
5425	With 66" and 17" lines	4

Actuator brake bleeder

10142

ITEM #	DESCRIPTION	WT (LBS.)
10142	Master cylinder adaptor for use with power bleeder (Rubber washer included)	1
09215	Rubber washer	

Weld-on channel brackets

4 Hole (Hole spacing 2" centers) 8" over-all length.

ITEM #	CHANNEL INSIDE DIMENSION	CHANNEL THICKNESS	WEIGHT RATING	WT (LBS.)
55342	3"	1/4"	7,500 lbs.	4
55289	3"	5/16"	10,000 lbs.	5
57362	3"	3/8"	20,000 lbs.	5

6 Hole (Hole spacing 2" centers) 12" over-all length.

59601	3"	5/16"	10,000 lbs.	7
59602	3"	3/8"	20,000 lbs.	8

Backing plate brackets

DEMCO ITEM #	PLATE DIMENSIONS	PILOT HOLE	WT (LBS.)
54988	.25" x 4.25" x 4.25" – 4 on 4.813"	2 1/2"	.91
60124	.25" x 4.25" x 4.25" – 4 on 4.813"	2 3/4"	.91
52415	.25" x 4.25" x 4.25" – 4 on 4.813"	3"	.84
61715	.25" x 4.25" x 4.25" – 4 on 4.813"	3 1/4"	.76
59911	.25" x 4.25" x 4.25" – 4 on 4.813"	3 1/2"	.65

Committed to service

Making Demco Trailer Components the best value is Demco's number one commitment.

Materials: The search for excellence

Stress tables are not the final word when designing brake products. At Demco, we begin with analyzing stress data. With this information, materials are selected for a prototype. Our purchasing department then searches for the best materials and components. This search also includes long term availability and delivery. Top grade components, computer aided design and quality workmanship all add up to Demco excellence.

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All our products are put through a rigorous testing program, exposing the prototype beyond normal recommended use. We know our reputation for quality will continue to surface if we consistently test our products to this degree.

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